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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 4, 2015

Jeff Sagers
Castle Valley Stone LLC
2421 West 350 North
Hurricane, Utah 84737-2046

Subject: Fourth Review of Amended Notice of Intention to Commence Large Mining Operations,
Castle Valley Stone LLC, Brown's Canyon Rock Quarry, M/043/0017, Salt Lake County, Utah

Dear Mr. Sagers:

The Division of Oil, Gas and Mining has completed a review of the referenced Notice of Intention to Commence Large Mining Operations which was received December 5, 2014. The attached comments will need to be addressed before tentative approval of the amendment may be granted.

The comments are listed under the applicable Minerals Rule heading; please format your response in a similar fashion. Please submit replacement pages only. The final stamped approved copy will be returned to you.

Please submit your response to this review by March 31, 2015. The Division will suspend further review until your response to this letter is received. Please contact Leslie Heppler at 801-538-5257 if you have questions about the review or if you would like to meet and discuss the review. Thank you for your cooperation in completing this permitting action.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB: lah: mj

Attachment: Review

c: Summit Co - Slewis@summitcounty.org

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**Fourth REVIEW OF NOTICE OF INTENTION
 TO COMMENCE LARGE MINING OPERATIONS
 Castle Valley Stone, LLC.
 Browns Canyon Rock Quarry 1
 M/043/0017
 March 4, 2015**

General Comments:

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
1	General	The Division may have additional comments based on the review responses. No response needed.	lah	

R647-4-106 - Operation Plan

106.7 - Existing vegetation - species and amount

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
3	Page 14	There are some concerns about the adequacy of the vegetation studies performed at the site, but the operator has committed to achieve 70 percent vegetation cover in final reclamation. This commitment complies with the rules: it implies that premining vegetation cover was 100 percent. Some of the data on page 14 was crossed out, and the commitment to achieve 70 percent cover was written in. Please replace this page with the corrections made and not hand written.	pbb	
5	Page 15 (b)	The Division previously wrote "Text refers to Exhibit F – which is a geologic map and not photos of vegetation." The operator modified the text on February 24, 2015 to "No photos have been submitted." This statement is also incorrect as there are vegetation photos in the Vegetation and Soil Baseline Report in Appendix C. Please modify the text appropriately.	lah lah	

R647-4-107 - Operation Practices

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
6	Page 18	Please re-insert the paragraph regarding the "Landslide Area" from the previous submittal.	lah	

R647-4-110 – Reclamation Plan

Page 3 of 3
 Jeff Sagers
 M/043/0017
 March 4, 2015

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
7	Page 22	In Section 110.2, (b), the text notes that the highwall will be "45 degrees or less," then the next sentence says it will have a "maximum slope of 3H:1V." These statements are inconsistent. Please make appropriate corrections.	lah	
8	Page 23	In Section 110.5, (a) bullet 3, the text notes "Exhibit F." Please change to "Exhibit C."	lah	

R647-4-112 - Variance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
	Page 25	No variances requested – no further action is needed.	lah	

R647-4-113 – Surety

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
9	Summary Sheet	Please use the escalation rate of 1.2%	whw	
10	Demo #1 and #2	Please include a disposal cost for trailers. While most of the trailer may be metal, insulation and other interior parts may require disposal at a landfill.	whw	
11	Backfilling and Grading Worksheets	The only backfilling and grading costs listed on the worksheet are for ripping roads and topsoil distribution. The following are listed in section 110.2 for roads, highwalls, slopes, and drainages: (a) The text of the plan says roads will be ripped and graded, but the cost estimate only includes ripping. (b) Highwall reclamation – no mention of highwall reclamation cost estimates on worksheets. (c) Slope reclamation – no mention of slope reclamation on worksheets. (d) Waste dumps/overburden – no mention of those items on worksheets. (e) Pits – no mention of pit reclamation on worksheets.	whw	
12	Backfilling and Grading Worksheets	On the earthwork worksheets the only cost for topsoil stockpiles is a 300-foot dozer push. From the information in the Notice, the topsoil is not distributed in stockpiles every 600 feet. Most likely there will need to be a cost for transporting the topsoil from the stockpiles to the distribution areas.	whw	